



# Fermilab

Title: Dzero Regional Analysis Center Concepts and Experience

The Dzero experiment is facing many exciting challenges providing a computing environment for its worldwide collaboration. Transparent access to data for processing and analysis has been enabled through deployment of its SAM system to collaborating sites and additional functionality will be provided soon with SAM-Grid components. In order to maximize access to global storage, computational and intellectual resources, and to enable the system to scale to the large demands soon to be realized, several strategic sites have been identified as Regional Analysis Centers (RAC's). These sites play an expanded role within the system. The philosophy and function of these centers is discussed and details of their composition and operation are outlined. The planning for additional future centers is also addressed.

- DZero Offline Analysis Task Force